



Ghassan Mohammad Sulaiman

غسان محمد سليمان عبود

Professor

ACADEMIC TITLES

2015-10-10 Professor

ADMINISTRATIVE POSITIONS

2013-07-01 - 2016-12-26 Head of Division of Biotechnology

PUBLICATIONS (3 1 2)

- Biomedical applications of Fe₃O₄-Au and Au-Fe₃O₄ nanoparticles synthesis via a two-step pulsed laser ablation process in water**
Journal of King Saud University--Science, 2026 | 2026
- Solvothermal Synthesis and Characterization of VS₂ Nanoparticles: MCF-7 Anticancer Activity and Molecular Docking Insights**
BioNanoScience 16 (3), 221, 2026 | 2026
- Computational analysis of structural and dynamic impacts of TP53 missense mutations in glioblastoma**
Network Modeling Analysis in Health Informatics and Bioinformatics 15 (1), 29, 2026 | 2026
- Evaluation of Inflammatory Markers in the Blood of Colorectal Cancer Patients**
Iraqi Journal of Science, 2026 | 2026
- Nigella sativa* Seed Oil Antibacterial and Antibiofilm Activity against *Escherichia coli* O157H7 Shiga Toxin-2**
Journal of Oleo Science | 2026
- Autophagy in ischemic stroke: from cellular survival mechanism to pathological damage**
Metabolic Brain Disease 41 (1), 75, 2026 | 2026 | Cited: 1
- Targeting of neuroinflammation, oxidative stress, and synaptic dysfunction by vinpocetine in alzheimer's disease: a comprehensive appraisal**
Metabolic Brain Disease 41 (1), 63, 2026 | 2026
- Nigella sativa* Seed Oil Antibacterial and Antibiofilm Activity against *Escherichia coli* O157H7 Shiga Toxin-2**
Journal of Oleo Science 75 (5), 627-639, 2026 | 2026
- Natural medicines, plants ingredients, foods, and essential oils nano-formulations: A new paradigm in nanotechnical developments**
Journal of Drug Delivery Science and Technology | 2026 | Cited: 1
- Gold nanoparticles immobilized subtilisin as a novel nanoplatform for breast carcinoma control: Apoptosis induction and NF-κB suppression**
Inorganic Chemistry Communications 186, 116307, 2026 | 2026
- Antibacterial and biocompatibility potentials of zinc oxide quantum dots via Nd: YAG laser ablation**
Scientific Reports, 2026 | 2026
- INTEGRATED STRUCTURAL INSIGHT INTO CHALCONE ADSORPTION AND POLYMORPH DESIGN ON PEROVSKITE SURFACE.**
Bulletin of the Chemical Society of Ethiopia 40 (1), 2026 | 2026

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EDUCATION

Doctorate (2010-08-29)
Biotechnology
Al-Nahrain University

RESEARCH METRICS

h-index (Scopus)	55
h-index (GS)	59
Citations (Scopus)	8968
Citations (GS)	11187
Documents (Scopus)	252
Documents (GS)	296



13. **Comparative analysis of the porB gene in Neisseria gonorrhoeae and commensal Neisseria species: Implications for antibiotic resistance and vaccine development**
Microbes and Infectious Diseases, 2026 | 2026
14. **Light-Responsive Photonic Nanoparticles for Targeted Antibacterial Treatment: Bioresorbable Systems and Mechanisms**
Advanced Therapeutics 9 (1), e00495, 2026 | 2026
15. **Eco-friendly synthesis of silver nanoparticles mediated Crataegus azarolus fruits: Biomedical applications and molecular docking insights**
Nanotechnology Reviews 15 (1), 2026 | 2026
16. **Role of 5 α -reductase inhibitors in Parkinson's disease: Gambling or not?**
The Journal of Steroid Biochemistry and Molecular Biology 263, 107056, 2026 | 2026
17. **The role of IL-6-174C/G polymorphism in hepatitis B virus infection: a genetic association study**
Journal of Genetic Engineering and Biotechnology 24 (3), 100722, 2026 | 2026
18. **ZnONPs/Cs/Fic/FA for overcoming multidrug-resistant infections and enhanced wound-healing**
Journal of Industrial and Engineering Chemistry, 2026 | 2026
19. **The Correlation of Erythrocytosis Familial 6 (ECYT6) Gene Expression and their Targeted miRNA in Patients with Beta-Thalassemia**
Iraqi Journal of Science, 1512-1525, 2026 | 2026
20. **Volatile oils as natural approach during pandemics: therapeutic contributions to respiratory health and mechanisms of action as antiviral, antimicrobial, immunomodulatory, and ...**
Phytochemistry Reviews, 1-35, 2026 | 2026
21. **Green versus chemical synthesis of platinum nanoparticles: antibacterial, antibiofilm and biocompatibility studies on clinical MDR isolates**
Chemical Papers, 1-30, 2026 | 2026
22. **Synergistic Effects of Resveratrol and Hydroxychloroquine Nanoparticles on Apoptosis and Autophagy Gene Expression in Hepatocellular Carcinoma Cells**
Journal of Applied Sciences and Nanotechnology 6 (2), 17-32, 2026 | 2026
23. **Targeting of RhoA-ROCK pathway activators and linked molecular signaling in Alzheimer's disease: The paving dawn for future therapy**
Neuroscience, 2026 | 2026
24. **Role of RhoA-ROCK signaling inhibitor fasudil in Alzheimer disease**
Behavioural Brain Research, 115524, 2025 | 2025 | Cited: 20
25. **Hesperidin-methotrexate dual drugs-loaded mesoporous silica nanoparticles: Dose reductions, bioavailability increments, and enhanced anti-cancer activity with organs safety**
Inorganic Chemistry Communications, 115127, 2025 | 2025 | Cited: 2
26. **Anti-microbial and anti-hepatitis-A activities of Asphodelus refractus boiss. extract and pure isolated metabolites**
Journal of Molecular Structure 1322, 140597, 2025 | 2025 | Cited: 7
27. **Targeting of Inflammation and Prostaglandins by Nonsteroidal Anti-inflammatory Drugs in Schizophrenia: A Narrative Review**
Psychiatry Research, 116575, 2025 | 2025 | Cited: 6
28. **Optimized Alginate-Glycerol Nano-hydrogel Composites for Enhanced Methylene Blue Removal: Kinetic and Isotherm Analysis**
Journal of Cluster Science 36 (5), 162, 2025 | 2025 | Cited: 2
29. **Structural, optical, ESR, magnetic and anticancer properties of Co1-xZnxFe2O4 (x= 0 to 1) ferrites synthesized by ultrasonication assisted Co-precipitation method**
Materials Chemistry and Physics 339, 130752, 2025 | 2025 | Cited: 5
30. **Cognitive impairment and risk of dementia in heart failure: the exuberating role of digoxin**
Naunyn-Schmiedeberg's archives of pharmacology, 1-15, 2025 | 2025 | Cited: 5
31. **In-Depth Study of Chemically Electrodeposited Cuprous Oxide (Cu2O) thin Films on ITO Glass**
Plasmonics 20 (1), 431-441, 2025 | 2025 | Cited: 5

32. **Anticancer Activity of Secondary Metabolites Extracted from Endophytic Fungus in Pongamia pinnata Barks**
Asian Pacific journal of cancer prevention: APJCP 26 (7), 2645, 2025 | 2025 | Cited: 3
33. **Green synthesis of parsley-derived silver nanoparticles and their enhanced antimicrobial and antioxidant effects against foodborne resistant bacteria**
Green Processing and Synthesis 14 (1), 20250094, 2025 | 2025 | Cited: 3
34. **The mechanistic role of tirzepatide in atherosclerosis: A review**
International Journal of Biological Macromolecules, 147734, 2025 | 2025 | Cited: 4
35. **Importance of Lactate Dehydrogenase, Cortisol, Dopamine, Zinc, and Vitamin D3 in Iraqi Patients with Polycystic Ovary Syndrome**
Iraqi Journal of Science, 546-560, 2025 | 2025 | Cited: 4
36. **Roles of Foods and Related Components: An Overview on Cancer Causatives, and Plausible Preventions**
Applied Food Research, 101132, 2025 | 2025 | Cited: 6
37. **Insight into the Mechanistic role of Colchicine in Atherosclerosis**
Current Atherosclerosis Reports 27 (1), 1-18, 2025 | 2025 | Cited: 8
38. **Enhanced anti-microbial activity of ofloxacin-loaded mesoporous silica nanoparticles against clinical isolates of drug-resistant microbes**
Journal of Industrial and Engineering Chemistry, 2025 | 2025 | Cited: 10
39. **Green Synthesis and Characterization of Apple Peel-Derived Selenium Nanoparticles for Anti-Fungal Activity and Effects of MexA Gene Expression on Efflux Pumps in Acinetobacter baumannii**
Applied Organometallic Chemistry | 2025
40. **Beyond amyloid plaque, targeting α -synuclein in Alzheimer disease: The battle continues**
Ageing Research Reviews, 102684, 2025 | 2025 | Cited: 11
41. **Synthesis of Chalcone Mediated Novel Pyrazoline ((3-Aminophenyl)-4, 5-Dihydro-1H-Pyrazole-1-yl Ethanone Derivative) Scaffolds: DFT Study, Insilico Predictions, and Anticancer ...**
Plasmonics, 1-13, 2025 | 2025 | Cited: 11
42. **The potential role of aryl hydrocarbon receptor in Alzheimer's disease: Protective or detrimental**
Ageing Research Reviews, 102810, 2025 | 2025 | Cited: 13
43. **Analysis of bioaccumulation of multi-elements in commonly consumed medicinal plants with functionalized mesoporous silica nanoparticles using flame atomic spectroscopy**
Analytical Methods in Environmental Chemistry Journal 8 (4), 142-159, 2025 | 2025
44. **The Effect of Metformin on Astrocytes in Parkinson's Disease: Challenges and Opportunities**
Molecular Neurobiology, 1-15, 2025 | 2025 | Cited: 18
45. **Chitosan-Coated Gold Nanoparticles' Folic Acid Conjugates for Targeted Delivery of Papain Enzyme: An Extended Nanoplatform Approach for Cancer Therapy**
Applied Organometallic Chemistry 39 (4), e70110, 2025 | 2025 | Cited: 8
46. **Targeting of AMPK/MTOR signaling in the management of atherosclerosis: Outmost leveraging**
International Journal of Biological Macromolecules, 142933, 2025 | 2025 | Cited: 24
47. **Wound Healing and Antibacterial Activities of Nanodiamonds: Synthesis, Characterization, and Biological Evaluation Studies**
Russian Journal of Applied Chemistry 98 (10), 497-508, 2025 | 2025 | Cited: 1
48. **Investigating the hepatoprotective effects of Onopordum cyrenaicum: phytochemical, biological, and computational approaches to combat liver damage**
Natural Product Research, 1-8, 2025 | 2025 | Cited: 1
49. **Multifunctional nanophotonic photoacoustic biosensors: a new era in molecular imaging-guided deep-tissue cancer monitoring**
Methods 242, 1-23, 2025 | 2025 | Cited: 7
50. **Targeting the JAK/STAT3/SOCS signaling pathway in Alzheimer's disease**
Inflammopharmacology 33 (6), 2951-2962, 2025 | 2025 | Cited: 14

51. **The Extensive Study of Magnesium Deficiency, 25-(OH) Vitamin D3, Inflammatory Markers, and Parathyroid Hormone in Relation to Bone Mineral Density in Iraqi Osteoporosis Patients: A Cross-Sectional Study**
Health Science Reports | 2025
52. **Thymoquinol-2-O- β -D-glucopyranoside: Isolation from *Pulicaria Jaubertii*, Anticancer Efficacy, and Comparative Apoptotic Markers Binding Studies with Thymoquinone and Thymoquinol**
ChemistrySelect | 2025
53. **Piperacillin-loaded amine functionalized mesoporous silica nanoparticles: A new frontier in combating multidrug-resistant pathogenic bacteria through value-added piperacillin antibiotic**
Journal of Drug Delivery Science and Technology | 2025
54. **Amyloid- β and heart failure in Alzheimer's disease: the new vistas**
Frontiers in Medicine 12, 1494101, 2025 | 2025 | Cited: 46
55. **Health Risk Assessment of Some Toxic Metals for Skin Whitening Creams in Iraqi Markets**
Iraqi Journal of Science, 2025 | 2025
56. **Green synthesis and characterization of apple peel-derived selenium nanoparticles for anti-fungal activity and effects of MexA gene expression on efflux pumps in *Acinetobacter* ...**
Applied Organometallic Chemistry 39 (2), e7805, 2025 | 2025 | Cited: 40
57. **Assessment of FOXO4 Gene Expression and Serum Keap-1, Aldolase, IL-18, and IL-22 Levels in Patients with Colorectal Cancer**
Iraqi Journal of Science, 3200-3222, 2025 | 2025
58. **Synthesis of Gd2O3/GdOOH nanocompound using pulsed laser ablation-fragmentation: Controlling experimental parameters for optimal crystallite size distribution**
AIP Conference Proceedings 3169 (1), 060004, 2025 | 2025
59. **Thymoquinol-2-O- β -D-glucopyranoside: Isolation from *Pulicaria Jaubertii*, Anticancer Efficacy, and Comparative Apoptotic Markers Binding Studies with ...**
ChemistrySelect 10 (14), e202500551, 2025 | 2025
60. **Integrated Synthesis, Characterization, and Bioactivity Profiling of Imide Derivatives: Insights from Molecular Docking Analysis**
ChemistrySelect 10 (42), e02774, 2025 | 2025
61. **Alterations in the processing of platelet APP (Amyloid beta precursor protein) in Alzheimer disease: the possible nexus**
Neuropsychopharmacology Reports 45 (1), e12525, 2025 | 2025 | Cited: 29
62. **Potential anticancer therapeutic targets of resveratrol and its role in the therapy of hepatocellular carcinoma**
Food Bioscience, 106935, 2025 | 2025 | Cited: 3
63. **Targeting the awry A β pathway in Alzheimer's disease: hype and hurdles**
Inflammopharmacology, 1-17, 2025 | 2025 | Cited: 5
64. **Aromatic volatile compounds of essential oils: distribution, chemical perspective, biological activity, and clinical applications**
Food Science & Nutrition 13 (9), e70825, 2025 | 2025 | Cited: 28
65. **Enhanced Physico-Mechanical and Antimicrobial Properties of Nano-Zinc Oxide/Poly (Ethylene Adipate) Nanocomposite Thin Films**
Journal of Macromolecular Science, Part B, 1-24, 2025 | 2025
66. **Combating multidrug-resistant infections: Gold nanoparticles—chitosan—papain-integrated dual-action nanoplatfrom for enhanced antibacterial activity**
Nanotechnology Reviews 14 (1), 20250238, 2025 | 2025
67. **Antibacterial and antibiofilm activity of curcumin against multidrug-resistant bacteria: insights into FtsZ inhibition and mechanistic pathway**
Proceedings of the Indian National Science Academy, 1-17, 2025 | 2025 | Cited: 1
68. **Antibacterial and antibiofilm properties of silver nanoparticles synthesized using *Carthamus tinctorius* extract against various multidrug-resistant bacterial strains: M ...**
Discover Applied Sciences 7 (6), 548, 2025 | 2025 | Cited: 21

69. **Freshly Prepared Graphene Oxide Nanoparticles' Wound-Healing Potential and Antibacterial Activity Specifically Against Staphylococcus aureus: In Vivo Efficacy**
Plasmonics 20 (2), 763-773, 2025 | 2025 | Cited: 17
70. **Enhanced therapeutic efficacy of Tamoxifen against breast cancer using extra virgin olive oil-based nanoemulsion delivery system**
Nanotechnology Reviews 14 (1), 20250217, 2025 | 2025 | Cited: 1
71. **The Advancing of Zinc Oxide and Gold Nanoparticles as a Promising Therapeutic Approach for Future Biomedical Applications**
Plasmonics, 1-22, 2025 | 2025 | Cited: 12
72. **Piperacillin-loaded amine functionalized mesoporous silica nanoparticles: A new frontier in combating multidrug-resistant pathogenic bacteria through value-added piperacillin**
Journal of Drug Delivery Science and Technology 105, 106580, 2025 | 2025 | Cited: 11
73. **Green Synthesis of Silver Nanoparticles Using Carthamus tinctorius L. Extract and Assessment of Its Antioxidant, Anticancer, and Anti-Inflammatory Activities**
Applied Organometallic Chemistry 39 (8), e70278, 2025 | 2025 | Cited: 9
74. **Efficacy of alginate-coated gold nanoparticles against antibiotics-resistant Staphylococcus and Streptococcus pathogens of acne origins**
Open Life Sciences 20 (1), 20221045, 2025 | 2025 | Cited: 2
75. **A new 3D printing milli-fluidic device with integrated nanojunction for on-site colorimetric analysis of iron in water and soil samples**
Chinese Journal of Analytical Chemistry 53 (1), 100475, 2025 | 2025 | Cited: 9
76. **The Extensive Study of Magnesium Deficiency, 25-(OH) Vitamin D3, Inflammatory Markers, and Parathyroid Hormone in Relation to Bone Mineral Density in Iraqi Osteoporosis**
Health Science Reports 8 (4), e70641, 2025 | 2025 | Cited: 6
77. **The significant role of IL-15, IL-22, IL-37, and caspase 9 in polycystic ovary syndrome: A case-control study in a sample of Iraqi women**
Journal of Genetic Engineering and Biotechnology 23 (1), 100462, 2025 | 2025 | Cited: 3
78. **Eco-friendly synthesis of eggshell-derived nano-hydroxyapatite: physicochemical characterization, hemocompatibility, and bone regeneration potential**
Scientific Reports 15 (1), 32832, 2025 | 2025 | Cited: 9
79. **Electrochemical study of an enhanced platform by electrochemical synthesis of three-dimensional polyaniline nanofibers/reduced graphene oxide thin films for diverse applications**
Scientific Reports 14 (1), 26408, 2024 | 2024 | Cited: 13
80. **The dual role of autophagy in suppressing and promoting hepatocellular carcinoma**
Frontiers in Cell and Developmental Biology 12, 1472574, 2024 | 2024 | Cited: 21
81. **An overview of the density functional theory on antioxidant bioactivity predictive feasibilities: insights from natural antioxidant products**
Journal of molecular structure 1301, 137393, 2024 | 2024 | Cited: 38
82. **Antibacterial and antibiofilm activities of amikacin-conjugated gold Nanoparticles: A promising formulation for contact lens preservation**
Inorganic Chemistry Communications 162, 112286, 2024 | 2024 | Cited: 37
83. **The role of autophagy in Graves disease: knowns and unknowns**
Frontiers in Cell and Developmental Biology | 2024 | Cited: 11
84. **Chemical composition, antioxidant, and enzyme inhibition activities of Crithmum maritimum essential oils: the first chemo-biological study for species grown in**
Scientific Reports 14 (1), 25318, 2024 | 2024 | Cited: 9
85. **Purified L-glutaminase effects against multidrug-resistant Pseudomonas aeruginosa in experimental vaginosis model: an immunological and histopathological observation**
Microbial pathogenesis 196, 106949, 2024 | 2024 | Cited: 9
86. **Tangerine fruit peel extract mediated biogenic synthesized silver nanoparticles and their potential antimicrobial, antioxidant, and cytotoxic assessments**
Green Processing and Synthesis 13 (1), 20240126, 2024 | 2024 | Cited: 17

87. **Inhibitory effect of silver nanoparticles—conjugated PEG-nystatin against some resistance pathogenic bacteria**
Inorganic Chemistry Communications 168, 112952, 2024 | 2024 | Cited: 15
88. **Insights into the pharmaceutical properties and in silico study of novel hydrazone derivatives**
Scientific Reports 14 (1), 1-18, 2024 | 2024 | Cited: 34
89. **The role of statins in amyotrophic lateral sclerosis: protective or not?**
Frontiers in neuroscience 18, 1422912, 2024 | 2024 | Cited: 16
90. **Green Synthesis of Silver Oxide Nanoparticles Using *Plectranthus amboinicus* and *Solanum trilobatum* Extracts as an Eco-friendly Approach: Characterization and**
Journal of Inorganic and Organometallic Polymers and Materials 34 (7), 3191-3211, 2024 | 2024 | Cited: 14
91. **Recent perspective on polymeric semimetal (Si, Ge and As) and nonmetal (N and P) doped C70-fullerene system: Comparative electronic, dynamic behavior and chemotherapy docking**
Journal of Organometallic Chemistry 1022, 123417, 2024 | 2024 | Cited: 28
92. **Evaluation of the synergistic effects of synthesized silver nanoparticles conjugated tetracycline**
Engineering and Technology Journal 42 (4), 437-445, 2024 | 2024 | Cited: 7
93. **Promising antibiofilm formation: Liquid phase pulsed laser ablation synthesis of Graphene Oxide@Platinum core-shell nanoparticles**
PLOS ONE | 2024 | Cited: 16
94. **Antibacterial and hemocompatibility potentials of nano-gold-cored alginate preparation against anaerobic bacteria from acne vulgaris**
Scientific Reports 14 (1), 6984, 2024 | 2024 | Cited: 15
95. **Evaluation of the Frequency of (rs2227981 and rs2282055) Single Nucleotide Polymorphisms in Programmed Cell Death 1 and Its Ligand Genes of Iraqi Patients With Multiple Sclerosis**
Iraqi Journal of Pharmaceutical Sciences (P-ISSN 1683 - 3597 E-ISSN 2521 - 3512) | 2024
96. **Synthesis, biomedical activities, and molecular docking study of novel chromone derivatives**
Journal of Molecular Structure 1295, 136647, 2024 | 2024 | Cited: 35
97. **Phytochemicals profiling, in vitro and in vivo antidiabetic activity, and in silico studies on *Ajuga iva* (L.) Schreb.: A comprehensive approach**
Open Chemistry 22 (1), 20230191, 2024 | 2024 | Cited: 10
98. **Organ-specific renal tissue damage manifested by single-walled carbon-nanotubes and single-walled carbon-nanotubes-silver-titania nanocomposite: Cellular toxicity at high doses**
Journal of Trace Elements in Medicine and Biology 86, 127569, 2024 | 2024
99. **Author Correction: Extremely efficient aerogels of graphene oxide/graphene oxide nanoribbons/sodium alginate for uranium removal from wastewater solution**
Scientific Reports 14, 4115, 2024 | 2024 | Cited: 1
100. **Influence of annealing temperature on structural, morphological, optical, magnetic, and antimicrobial properties of zinc ferrite nanoparticles**
Plasmonics 19 (4), 1753-1763, 2024 | 2024 | Cited: 30
101. **Anti-microbial efficacy of L-glutaminase (EC 3.5.1.2) against multidrug-resistant *Pseudomonas aeruginosa* infection**
The Journal of antibiotics 77 (2), 111-119, 2024 | 2024 | Cited: 29
102. **The Compelling Role of Brain-Derived Neurotrophic Factor Signaling in Multiple Sclerosis: Role of BDNF Activators**
CNS Neuroscience & Therapeutics 30 (12), e70167, 2024 | 2024 | Cited: 30
103. **Protein conjugated superparamagnetic iron oxide nanoparticles for efficient vaccine delivery systems**
Plasmonics 19 (1), 379-388, 2024 | 2024 | Cited: 29
104. **Innovative Synthesis of Au@WO₃ Core-Shell Nanoparticles via Laser Ablation: Insights into Their Pharmaceutical Properties for Biomedical Applications**
Plasmonics | 2024 | Cited: 1
105. **Investigating the Antimicrobial, Antioxidant, and Anticancer Effects of *Elettaria cardamomum* Seed Extract Conjugated to Green Synthesized Silver Nanoparticles by**
Plasmonics 19 (3), 1187-1200, 2024 | 2024 | Cited: 52

106. **Design, Preparation, and Characterization of Polycaprolactone–Chitosan Nanofibers via Electrospinning Techniques for Efficient Methylene Blue Removal from Aqueous Solutions**
Journal of Composites Science 8 (2), 68, 2024 | 2024 | Cited: 47
107. **Defective autophagy and autophagy activators in myasthenia gravis: a rare entity and unusual scenario**
Autophagy 20 (7), 1473-1482, 2024 | 2024 | Cited: 26
108. **Ameliorating orthodontic relapse using laser bio-stimulation and mesenchymal stem cells in rats**
Journal of Genetic Engineering and Biotechnology 22 (1), 100331, 2024 | 2024 | Cited: 3
109. **Evaluate the Levels of Serum Eotaxin-1, Myelin Basic Protein, and Some Immunological and Biochemical Markers in Iraqi Patients with Multiple Sclerosis**
Iraqi Journal of Science, 126-137, 2024 | 2024 | Cited: 4
110. **Synthesise of iron oxide nanoparticles IONPs by laser method as an antibacterial and hemocompatibility agent**
Journal of Applied Sciences and Nanotechnology 4 (3), 33-41, 2024 | 2024 | Cited: 7
111. **Effect of laser parameters on the structural properties of gadolinium oxide nanoparticles synthesis via pulsed laser ablation in liquid**
The European Physical Journal B 97 (10), 147, 2024 | 2024 | Cited: 6
112. **Iron oxide nanoparticles: The versatility of the magnetic and functionalized nanomaterials in targeting drugs, and gene deliveries with effectual magnetofection**
Journal of Drug Delivery Science and Technology 99, 105838, 2024 | 2024 | Cited: 48
113. **Essential oils pharmacological activity: Chemical markers, biogenesis, plant sources, and commercial products**
Process Biochemistry 144, 112-132, 2024 | 2024 | Cited: 84
114. **Hybrid Fe₃O₄-Au Nanoparticles Prepared by Two-Step Pulsed Laser Ablation in Liquid for Biomedical Applications**
Plasmonics 19 (3), 1687-1697, 2024 | 2024 | Cited: 7
115. **Multifunctional characterization and anticancer properties of magnetic zinc ferrite nanoparticles by modified ultrasonic assisted co-precipitation method**
ECS Journal of Solid State Science and Technology 13 (8), 083011, 2024 | 2024 | Cited: 5
116. **Fabrication, characterization and application of biocompatible nanocomposites: a review**
European Polymer Journal 214, 113187, 2024 | 2024 | Cited: 69
117. **Biogenic silver nanoparticles of Moringa oleifera leaf extract: Characterization and photocatalytic application**
Nanotechnology Reviews 13 (1), 20240002, 2024 | 2024 | Cited: 26
118. **The classical and non-classical axes of renin-angiotensin system in Parkinson disease: the bright and dark side of the moon**
Ageing Research Reviews 94, 102200, 2024 | 2024 | Cited: 26
119. **Factors affecting the accumulation and variation of volatile and non-volatile constituents in rosemary, Rosmarinus officinalis L.**
Journal of Applied Research on Medicinal and Aromatic Plants 42, 100571, 2024 | 2024 | Cited: 25
120. **Investigation of antibacterial activity and wound healing promotion properties induced by bromelain-loaded silver nanoparticles**
Plasmonics 19 (4), 1903-1916, 2024 | 2024 | Cited: 23
121. **Nystatin-based zinc oxide nanoparticles coated with polyethylene glycol for enhancing the antibacterial activity against some resistance pathogenic bacteria**
BioNanoScience 14 (3), 2103-2116, 2024 | 2024 | Cited: 11
122. **Enforcing the antioxidant properties of blackberries against breast cancer by activating different cell signaling mechanisms: An updated review**
Food Bioscience 62, 105266, 2024 | 2024 | Cited: 3
123. **Haplophyllum tuberculatum (Forssk.) A. Juss Essential Oils: Seasonal Contents Variation, Bioactivity of the Traditionally-favored, High-yield and Frequent-use Summer Season Oil**
Journal of Oleo Science 73 (2), 263-273, 2024 | 2024 | Cited: 8

124. **2-(Benzhydryl sulfinyl)-N-sec-butylacetamide isolated from fig fruits as a potential immune response modulator**
Cogent Food & Agriculture 10 (1), 2413399, 2024 | 2024 | Cited: 1
125. **Au/ZnO Nanocomposites Prepared by Laser Ablation for Enhancement of Antibacterial Activity and Cytotoxic Properties against Cancer Cells**
Metals 13 (4), 735, 2023 | 2023 | Cited: 69
126. **Biosynthesis of Fe₃O₄ Nanoparticles mediated Allium cepa extract: Chemical characterization and antimicrobial applications**
2023 | Cited: 3
127. **Evaluation and targeting of amyloid precursor protein (APP)/amyloid beta (A β) axis in amyloidogenic and non-amyloidogenic pathways: A time outside the tunnel**
Ageing Research Reviews 92, 102119, 2023 | 2023 | Cited: 56
128. **Comparative Study of Colorectal Cancer Cell Lines Cultured in Two-and Three-Dimensional Models: Insights into Cellular Morphologies, Drug Responsiveness and Transcriptomics**
2023
129. **Chrysin, The Flavonoid Molecule of Antioxidant Interest**
ChemistrySelect 8 (48), e202303306, 2023 | 2023 | Cited: 47
130. **2-(Benzhydryl sulfinyl)-N-sec-butylacetamide) isolated from fig augmented trastuzumab-triggered phagocytic killing of cancer cells through interface with Fc γ receptor**
Natural Product Research 37 (24), 4112-4120, 2023 | 2023 | Cited: 7
131. **In Vitro and In Vivo Functional Viability, and Biocompatibility Evaluation of Bovine Serum Albumin-Ingrained Microemulsion: A Model Based on Sesame Oil as the Payload for Developing an Efficient Drug Delivery Platform**
Pharmaceuticals | 2023
132. **Antibacterial activity of green synthesized selenium nanoparticles using Vaccinium arctostaphylos (L.) fruit extract**
Cogent Food & Agriculture 9 (1), 2245612, 2023 | 2023 | Cited: 36
133. **Investigation of structural properties and antibacterial activity of AgO nanoparticle extract from Solanum nigrum/Mentha leaf extracts by green synthesis method**
Green Processing and Synthesis 12 (1), 20230080, 2023 | 2023 | Cited: 36
134. **Folate-methotrexate loaded bovine serum albumin nanoparticles preparation: an in vitro drug targeting cytokines overwhelming expressed immune cells from ...**
Animal Biotechnology 34 (2), 166-182, 2023 | 2023 | Cited: 31
135. **In Vitro and In Vivo Functional Viability, and Biocompatibility Evaluation of Bovine Serum Albumin-Ingrained Microemulsion: A Model Based on Sesame Oil as the Payload for ...**
Pharmaceuticals 16 (4), 582, 2023 | 2023 | Cited: 12
136. **Silver-cored Ziziphus spina-christi extract-loaded antimicrobial nanosuspension: overcoming multidrug resistance**
Nanomedicine 18 (25), 1839-1854, 2023 | 2023 | Cited: 26
137. **Graphene oxide-induced, reactive oxygen species-mediated mitochondrial dysfunctions and apoptosis: high-dose toxicity in normal cells**
Nanomedicine 18 (11), 875-887, 2023 | 2023 | Cited: 26
138. **Bacterial extracellular vesicles induced oxidative stress and mitophagy through mTOR pathways in colon cancer cells, HT-29: Implications for bioactivity**
Biochimica et Biophysica Acta (BBA)-Molecular Cell Research 1870 (6), 119486, 2023 | 2023 | Cited: 26
139. **Effect of laser energies on the performance of exfoliation and fragmentation for hexagonal boron nitride by laser**
Journal of Applied Sciences and Nanotechnology 3 (3), 20-36, 2023 | 2023 | Cited: 2
140. **Au/ZnO nanocomposites prepared by laser ablation for enhancement of antibacterial activity and cytotoxic properties against cancer cells. Metals 2023 (13): 735**
2023 | Cited: 2

141. **Evaluation of cytotoxic activity of Syringodium isoetifolium against human breast cancer cell line - an in silico and in vitro study**
Arabian Journal of Chemistry | 2023 | Cited: 4
142. **Antibacterial Activity of Gold Nanoparticles Produced by One-Step Pulsed Laser Ablation in Liquid**
Plasmonics | 2023 | Cited: 12
143. **Characterization of Silver Carbonate Nanoparticles Biosynthesized Using Marine Actinobacteria and Exploring of Their Antimicrobial and Antibiofilm Activity**
Marine Drugs 21 (10), 536, 2023 | 2023 | Cited: 21
144. **A novel facile synthesis of metal nitride@metal oxide (BN/Gd2O3) nanocomposite and their antibacterial and anticancer activities**
Scientific Reports 13 (1), 22749, 2023 | 2023 | Cited: 31
145. **Variability in the volatile constituents and biological activities of Achillea millefolium L. essential oils obtained from different plant parts and by different solvents**
Arabian Journal of Chemistry, 105103, 2023 | 2023 | Cited: 34
146. **Antifungal Activity of Bioactive Compounds Produced by the Endophytic Fungus Paecilomyces sp. (JN227071.1) against Rhizoctonia solani**
International Journal of Biomaterials 2023, 2023 | 2023 | Cited: 52
147. **Gold nanowires based on photonic crystal fiber by laser ablation in liquid to improve colon biosensor**
Plasmonics, 1-17, 2023 | 2023 | Cited: 29
148. **Solid lipid nanoparticles for targeted natural and synthetic drugs delivery in high-incidence cancers, and other diseases: Roles of preparation methods, lipid composition ...**
Nanotechnology Reviews 12 (1), 20220517, 2023 | 2023 | Cited: 128
149. **Potentials of Iron Oxide Nanoparticles (Fe3O4): As Antioxidant and Alternative Therapeutic Agent Against Common Multidrug-Resistant Microbial Species**
Iraqi Journal of Science 64 (6), 2759-2773, 2023 | 2023 | Cited: 24
150. **Oncolytic NDV-AMHA1 Strain Effective against Glioblastoma Cancer Cells**
Journal of Applied Sciences and Nanotechnology 3 (1), 2023 | 2023 | Cited: 2
151. **Comparative analysis between 2D and 3D colorectal cancer culture models for insights into cellular morphological and transcriptomic variations**
Scientific Reports 13 (1), 18380, 2023 | 2023 | Cited: 188
152. **B-lymphocyte-activating factor is a potential biomarker associated with susceptibility to Graves' disease in Iraqi women**
Egyptian Journal of Medical Human Genetics 24 (1), 1-11, 2023 | 2023 | Cited: 7
153. **Green Synthesis and Characterization of Silver Nanoparticles Using Flaxseed Extract and Evaluation of Their Antibacterial and Antioxidant Activities**
Applied Sciences 13 (4), 2182, 2023 | 2023 | Cited: 228
154. **Combined oncolytic virotherapy gold nanoparticles as synergistic immunotherapy agent in breast cancer control**
Scientific Reports 13 (1), 16843, 2023 | 2023 | Cited: 14
155. **Antiproliferative Activity of PEG-PEI-SWCNTs against AMJ13 breast cancer cells**
Journal of Nanomaterials 2023, 1-8, 2023 | 2023 | Cited: 13
156. **Polyphenol Fingerprint, Biological Activities, and In Silico Studies of the Medicinal Plant Cistus parviflorus L. Extract**
ACS Omega, 2023 | 2023 | Cited: 12
157. **Electrospun Polycaprolactone/Chitosan Nanofibers Containing Cordia myxa Fruit Extract as Potential Biocompatible Antibacterial Wound Dressings**
Molecules 28 (6), 2501, 2023 | 2023 | Cited: 90
158. **Optical and structural properties of H-BN@Gd2O3 nanoflake prepared by laser-induced ablation in liquid**
Physica Scripta | 2023 | Cited: 8

159. **Folate-methotrexate loaded bovine serum albumin nanoparticles preparation: an in vitro drug targeting cytokines overwhelming expressed immune cells from rheumatoid arthritis patients**
Animal Biotechnology | 2023
160. **Liposome Nanocarriers Based on γ Oryzanol: Preparation, Characterization, and In Vivo Assessment of Toxicity and Antioxidant Activity**
ACS Omega | 2023 | Cited: 31
161. **Antioxidant Properties of Galangin with β -cyclodextrin: An in Vitro and in Vivo**
Journal of Applied Sciences and Nanotechnology 3 (1), 2023 | 2023 | Cited: 8
162. **Induction of apoptosis and autophagy via regulation of AKT and JNK mitogen-activated protein kinase pathways in breast cancer cell lines exposed to gold ...**
Nanotechnology Reviews 12 (1), 20230148, 2023 | 2023 | Cited: 17
163. **Antibacterial Activity of Silver nanoparticles Against Pathogenic Bacterial Isolates from Diabetic Foot Patients**
Iraqi Journal of Science, 2223-2239, 2023 | 2023 | Cited: 19
164. **Inhibition of Staphylococcus aureus α -Hemolysin Production Using Nanocurcumin Capped Au@ZnO Nanocomposite**
Bioinorganic Chemistry and Applications | 2022 | Cited: 111
165. **Copper Oxide Nanoparticle-Decorated Carbon Nanoparticle Composite Colloidal Preparation through Laser Ablation for Antimicrobial and Antiproliferative Actions against Breast Cancer Cell Line, MCF-7**
BioMed Research International | 2022
166. **Molecule(s) of Interest: I. Ionic Liquids—Gateway to Newer Nanotechnology Applications: Advanced Nanobiotechnical Uses’, Current Status, Emerging Trends, Challenges, and Prospects**
International Journal of Molecular Sciences | 2022 | Cited: 28
167. **Green Synthesis of Silver Nanoparticles Using Aqueous Citrus limon Zest Extract: Characterization and Evaluation of Their Antioxidant and Antimicrobial Properties**
Nanomaterials 12 (12), 2013, 2022 | 2022 | Cited: 323
168. **Biosynthesis of copper oxide nanoparticles mediated Annona muricata as cytotoxic and apoptosis inducer factor in breast cancer cell lines**
Scientific Reports 12 (1), 16165, 2022 | 2022 | Cited: 204
169. **Green Synthesis of Silver Nanoparticles from Alhagi graecorum Leaf Extract and Evaluation of Their Cytotoxicity and Antifungal Activity**
Journal of Nanomaterials 2022 (1058119), 1-8, 2022 | 2022 | Cited: 187
170. **Recent advances in plant-mediated zinc oxide nanoparticles with their significant biomedical properties**
Bioengineering 9 (10), 541, 2022 | 2022 | Cited: 169
171. **Galangin/ β -cyclodextrin inclusion complex as a drug-delivery system for improved solubility and biocompatibility in breast cancer treatment**
Molecules 27 (14), 4521, 2022 | 2022 | Cited: 115
172. **Ciprofloxacin-loaded silver nanoparticles as potent nano-antibiotics against resistant pathogenic bacteria**
Nanomaterials 12 (16), 2808, 2022 | 2022 | Cited: 115
173. **Modification of SWCNTs with hybrid materials ZnO–Ag and ZnO–Au for enhancing bactericidal activity of phagocytic cells against Escherichia coli through NOX2 ...**
Scientific Reports 12 (1), 17203, 2022 | 2022 | Cited: 100
174. **Evaluation of the Antibacterial Properties of Iron Oxide, Polyethylene Glycol, and Gentamicin Conjugated Nanoparticles against Some Multidrug-Resistant Bacteria**
Journal of Functional Biomaterials 13 (3), 138, 2022 | 2022 | Cited: 60
175. **Eco-Friendly Synthesis of Carbon Nanoparticles by Laser Ablation in Water and Evaluation of Their Antibacterial Activity**
Journal of Nanomaterials 2022 (7927447), DOI: 10.1155/2022/7927447, 2022 | 2022 | Cited: 52

176. **Gold nanoparticles loaded TNF- α and CALNN peptide as a drug delivery system and promising therapeutic agent for breast cancer cells**
Materials Technology 37 (14), 3152-3166, 2022 | 2022 | Cited: 49
177. **SPIONs Conjugate Supported Anticancer Drug Doxorubicin's Delivery: Current Status, Challenges, and Prospects**
Nanomaterials 12 (20), 3686, 2022 | 2022 | Cited: 47
178. **Oncolytic newcastle disease virus Co-delivered with modified PLGA nanoparticles encapsulating temozolomide against glioblastoma cells: Developing an effective treatment strategy**
Molecules 27 (18), 5757, 2022 | 2022 | Cited: 40
179. **Serum Levels of Interleukin 10, Interleukin 17A, and Calcitriol in Different Groups of Colorectal Cancer Patients**
Jordan Journal of Biological Sciences | 2022 | Cited: 9
180. **Photodetection properties of populated Fe₃O₄@TiO₂ core–shell/Si heterojunction prepared by laser ablation in water**
Applied Physics A 128 (1), 8, 2022 | 2022 | Cited: 23
181. **Synthesis, molecular modeling, DNA damage interaction, and antioxidant potential of hesperidin loaded on gold nanoparticles**
Journal of Biomimetics, Biomaterials and Biomedical Engineering 54, 17-29, 2022 | 2022 | Cited: 8
182. **Evaluation of interleukins 37 and 38 and vitamin D status in the serum of women with Graves' disease**
Journal of Clinical Laboratory Analysis 36 (12), e24776, 2022 | 2022 | Cited: 4
183. **Novel Tamoxifen Citrate-Loaded Polymeric Nanoformulations for Improving Treatment and uses in Medical Applications: An in Vitro and in Vivo Study**
Iraqi Journal of Science, 2419-2433, 2022 | 2022 | Cited: 3
184. **Evaluation of the Hematological Profile Levels in Iraqi Patients with Multiple Sclerosis**
NeuroQuantology 20 (8), 8825-8830, 2022 | 2022
185. **Preliminary trials of the gold nanoparticles conjugated chrysin: An assessment of anti-oxidant, anti-microbial, and in vitro cytotoxic activities of a nanoformulated ...**
Nanotechnology Reviews 11 (1), 2726-2741, 2022 | 2022 | Cited: 85
186. **Antibacterial activity of bismuth oxide nanoparticles compared to amikacin against acinetobacter baumannii and staphylococcus aureus**
Journal of Nanomaterials 2022, 2022 | 2022 | Cited: 56
187. **Copper oxide nanoparticle-decorated carbon nanoparticle composite colloidal preparation through laser ablation for antimicrobial and antiproliferative actions against breast ...**
BioMed Research International 2022, 2022 | 2022 | Cited: 51
188. **Preparation of iron oxide and titania-based composite, core-shell populated, nanoparticulates material by two-step LASER ablation in aqueous media as antimicrobial and ...**
Bioinorganic Chemistry and Applications 2022, 2022 | 2022 | Cited: 21
189. **Green synthesis of silver nanoparticles from Eriobotrya japonica extract: a promising approach against cancer cells proliferation, inflammation, allergic disorders and phagocytosis induction**
Artificial Cells, Nanomedicine, and Biotechnology | 2021
190. **Pt(II)-Thiocarbohydrazone Complex as Cytotoxic Agent and Apoptosis Inducer in Caov-3 and HT-29 Cells through the P53 and Caspase-8 Pathways**
Pharmaceuticals | 2021 | Cited: 101
191. **A Novel Microfluidic Device for Blood Plasma Filtration.** *Micromachines* 2021, 12, 336
Micro/Nano Devices for Blood Analysis, Volume II, 55, 2021 | 2021
192. **ANTI-CANCER POTENTIAL OF COPPER OXIDE NANOPARTICLES AGAINST MURINE MAMMARY ADENOCARCINOMA (AMN-3) CELLS**
International Journal of Advanced Research 9 (3), 476-481, 2021 | 2021
193. **Antibacterial Activity of TiO₂ Nanoparticles Prepared by One-Step Laser Ablation in Liquid**
Applied sciences 11 (10), 12, 2021 | 2021 | Cited: 219

194. **Development of Inula graveolens (L.) Plant Extract Electrospun/Polycaprolactone Nanofibers: A Novel Material for Biomedical Application**
Applied Sciences 11 (2), 828, 2021 | 2021 | Cited: 81
195. **Formulation of Folate-conjugated, Doxorubicin-loaded Human Serum Albumin Nanoparticles for Promotion of Gene Expression Associated with Apoptosis in Renal Cell Carcinoma**
2021 | Cited: 4
196. **Magnetic field-assisted laser ablation of titanium dioxide nanoparticles in water for anti-bacterial applications**
Journal of Inorganic and Organometallic Polymers and Materials 31, 3649-3656, 2021 | 2021 | Cited: 164
197. **In silico analysis of quercetin as potential anti-cancer agents**
Materials Today: Proceedings 42 (5), 2521-2526, 2021 | 2021 | Cited: 16
198. **Gold Nanoparticles and Graphene Oxide Flakes Enhance Cancer Cells' Phagocytosis through Granzyme-Perforin-Dependent Biomechanism**
Nanomaterials | 2021
199. **Roles of Suaeda vermiculata Aqueous-Ethanol Extract, Its Subsequent Fractions, and the Isolated Compounds in Hepatoprotection against Paracetamol-Induced Toxicity as Compared to Silymarin**
Oxidative Medicine and Cellular Longevity | 2021
200. **Roles of Suaeda vermiculata Aqueous-Ethanol Extract, Its Subsequent Fractions, and the Isolated Compounds in Hepatoprotection against Paracetamol-Induced ...**
Oxidative Medicine and Cellular Longevity 2021, 2021 | 2021 | Cited: 22
201. **Green Synthesis of Silver Nanoparticles Using Annona muricata Extract as an Inducer of Apoptosis in Cancer Cells and Inhibitor for NLRP3 Inflammasome via Enhanced Autophagy**
Nanomaterials 11 (2), 384, 2021 | 2021 | Cited: 162
202. **Green Fabrication of Zinc Oxide Nanoparticles Using Phlomis Leaf Extract: Characterization and In Vitro Evaluation of Cytotoxicity and Antibacterial Properties**
Molecules 26 (20), 6140, 2021 | 2021 | Cited: 161
203. **Synthesis and characterization of triazol derivative as new corrosion inhibitor for mild steel in 1M HCl solution complemented with antibacterial studies**
Journal of Physics: Conference Series 1795, 012011, 2021 | 2021 | Cited: 11
204. **Green synthesis of silver nanoparticles from Eriobotrya japonica extract: a promising approach against cancer cells proliferation, inflammation, allergic disorders ...**
Artificial cells, nanomedicine, and biotechnology 49 (1), 48-60, 2021 | 2021 | Cited: 150
205. **The corrosion inhibition effect of a pyridine derivative for low carbon steel in 1 M HCl medium: Complemented with antibacterial studies**
International Journal of Corrosion and Scale Inhibition 10 (4), 1766–1782, 2021 | 2021 | Cited: 71
206. **A Novel Microfluidic Device for Blood Plasma Filtration**
Micromachines 12 (3), 336, 2021 | 2021 | Cited: 19
207. **Quercetin against MCF7 and CAL51 breast cancer cell lines: apoptosis, gene expression and cytotoxicity of nano-quercetin**
Nanomedicine 16 (22), 1937-1961, 2021 | 2021 | Cited: 81
208. **Synthesis and characterization of magnetite Fe₃O₄ nanoparticles using one step laser ablation in water under effect of external magnetic field**
Journal of Physics: Conference Series 1795 (1), 012028, 2021 | 2021 | Cited: 7
209. **Gold Nanoparticles and Graphene Oxide Flakes Synergistic Partaking in Cytosolic Bactericidal Augmentation: Role of ROS and NOX2 Activity**
Microorganisms 9 (101), doi.org/10.3390/microorganisms9010101, 2021 | 2021 | Cited: 30
210. **Anticorrosion and antibacterial effects of new Schiff base derived from hydrazine**
Journal of Physics: Conference Series 1795, 012021, 2021 | 2021 | Cited: 14
211. **Antibacterial activity of Zinc Oxide nanostructured materials synthesis by laser ablation method**
Journal of Physics: Conference Series 1795, 012040, 2021 | 2021 | Cited: 107
212. **Gold Nanoparticles and Graphene Oxide Flakes Enhance Cancer Cells' Phagocytosis through Granzyme-Perforin-Dependent Biomechanism**
Nanomaterials 11 (6), 1382, 2021 | 2021 | Cited: 37

213. **Layer-by-layer nanoparticles of tamoxifen and resveratrol for dual drug delivery system and potential triple-negative breast cancer treatment**
Pharmaceutics 13 (7), 1098, 2021 | 2021 | Cited: 81
214. **Antibacterial activity of tio₂ nanoparticles prepared by one-step laser ablation in liquid**
Applied Sciences (Switzerland) | 2021
215. **Antioxidant Activities of Resveratrol Loaded Poloxamer 407: An In Vitro and In Vivo Study**
Journal of Applied Sciences and Nanotechnology 1 (3), 1-12, 2021 | 2021 | Cited: 9
216. **Synthesis and characterization of aluminum doped zinc oxide nanostructures by Nd:YAG laser in liquid**
Iraqi Journal of Science | 2020 | Cited: 18
217. **Fe₃O₄ Nanoparticles Capped with PEG Induce Apoptosis in Breast Cancer AMJ13 Cells Via Mitochondrial Damage and Reduction of NF-KB Translocation**
Journal of Inorganic and Organometallic Polymers and Materials, <https://doi.org/10.1007/s10847-020-00909-9>, 2020 | 2020 | Cited: 105
218. **Linalool-Loaded Glutathione-Modified Gold Nanoparticles Conjugated with CALNN Peptide as Apoptosis Inducer and NF-KB Translocation Inhibitor in SKOV-3 Cell Line**
International Journal of Nanomedicine 15, 9025—9047, 2020 | 2020 | Cited: 111
219. **Dextran-coated superparamagnetic nanoparticles modified with folate for targeted drug delivery of camptothecin**
Advances in Natural Sciences: Nanoscience and Nanotechnology 11 (4), 045009, 2020 | 2020 | Cited: 114
220. **Immobilization of laccase on titanium oxide nanoparticles from crude enzyme extracts of *Pleurotus ostreatus* culture for anticancer activity**
Biochemical and Cellular Archives 20 (1), 563-572, 2020 | 2020 | Cited: 2
221. **Evaluation of Antioxidant Efficiency of Nanosized Quercetin: An In Vitro Study**
Journal of Global Pharma Technology 12 (1), 484-489, 2020 | 2020 | Cited: 2
222. **Nanoparticles Capped with PEG Induce Apoptosis in Breast Cancer AMJ13 Cells Via Mitochondrial Damage and Reduction of NF-KB Translocation**
2020 | Cited: 1
223. **Zinc oxide nanoparticles formation utilizing one step laser ablation in DIW**
AIP Conference Proceedings 2213 (1), 2020 | 2020 | Cited: 6
224. **Synthesis, Characterization and Evaluation of Anti-bacterial, Anti-parasitic and Anticancer Activities of Aluminum-Doped Zinc Oxide Nanoparticles**
2020
225. **Effect of hesperidin conjugated with golden nanoparticles on phagocytic activity: In vitro study**
AIP Conference Proceedings 2213, 020217, 2020 | 2020 | Cited: 34
226. **Serum levels of zinc, copper, selenium and glutathione peroxidase in the different groups of colorectal cancer patients**
Caspian Journal of Internal Medicine 11 (4), 384, 2020 | 2020 | Cited: 36
227. **Anti-Microbial, Anti-Oxidant, and α -Amylase Inhibitory Activity of Traditionally-Used Medicinal Herbs: A Comparative Analyses of Pharmacology, and Phytoconstituents of Regional ...**
Molecules 25 (22), 5457, 2020 | 2020 | Cited: 42
228. **Preparation and characterization of graphene sheet prepared by laser ablation in liquid**
Materials today: proceedings 20, 535—539, 2020 | 2020 | Cited: 51
229. **Research on Nanofibers Described by Researchers at Al-Qasim Green University (Antibacterial Activity of Honey/Chitosan Nanofibers Loaded with Capsaicin and Gold Nanoparticles ...**
Nanotechnology Weekly, 5093-5093, 2020 | 2020
230. **Anti-Microbial, Anti-Oxidant, and α -Amylase Inhibitory Activity of Traditionally-Used Medicinal Herbs: A Comparative Analyses of Pharmacology, and Phytoconstituents of Regional Halophytic Plants' Diaspora**
Molecules | 2020

231. **Investigation of dextran-coated superparamagnetic nanoparticles for targeted vinblastine controlled release, delivery, apoptosis induction, and gene expression in pancreatic cancer cells**
Molecules | 2020
232. **Hesperidin loaded on gold nanoparticles as a drug delivery system for a successful biocompatible, anti-cancer, anti-inflammatory and phagocytosis inducer model**
Scientific reports 10 (1), 9362, 2020 | 2020 | Cited: 304
233. **Anticancer activity and toxicity of carbon nanoparticles produced by pulsed laser ablation of graphite in water**
Advances in Natural Sciences: Nanoscience and Nanotechnology 11 (11), 035010, 2020 | 2020 | Cited: 157
234. **Antibacterial activity of honey/chitosan nanofibers loaded with capsaicin and gold nanoparticles for wound dressing**
Molecules 25 (20), 4770, 2020 | 2020 | Cited: 142
235. **Histopathological changes and expression of transforming growth factor beta (TGF- β 3) in mice exposed to gliotoxin**
Journal of King Saud University-Science 32 (1), 716-725, 2020 | 2020 | Cited: 56
236. **2-benzhydrylsulfinyl-n-hydroxyacetamide-na extracted from fig as a novel cytotoxic and apoptosis inducer in skov-3 and amj-13 cell lines via p53 and caspase-8 pathway**
European Food Research and Technology, doi.org/10.1007/s00217-020-03515-x, 2020 | 2020 | Cited: 102
237. **Synthesis, Characterization and Evaluation of Anti-bacterial, Anti-parasitic and Anti-cancer Activities of Aluminum-Doped Zinc Oxide Nanoparticles**
Journal of Inorganic and Organometallic Polymers and Materials, 1-17, 2020 | 2020 | Cited: 138
238. **Investigation of Dextran-Coated Superparamagnetic Nanoparticles for Targeted Vinblastine Controlled Release, Delivery, Apoptosis Induction, and Gene Expression in Pancreatic ...**
Molecules 25 (20), 4721, 2020 | 2020 | Cited: 88
239. **Immobilization of L-asparaginase on Gold Nanoparticles for Novel Drug Delivery Approach as Anti-Cancer Agent Against Human Breast Carcinoma Cells**
Journal of Materials Research and Technology 9 (6), 15394-15411, 2020 | 2020 | Cited: 94
240. **Enhanced cellular uptake and anti-cancer potentials of gold nanoparticles conjugated with cell penetration peptide against lung cancer cells**
IOP Conference Series: Materials Science and Engineering 928 (6), 062025, 2020 | 2020 | Cited: 2
241. **Chrysin protects mice liver and kidney from methandienone-induced oxi-dative stress, inflammation a multi-biomarker approach**
International Journal of Research in Pharmaceutical Sciences | 2019
242. **Extracellular biosynthesis of silver nanoparticles from *Penicillium italicum* and its antioxidant, antimicrobial and cytotoxicity activities**
Biotechnology Letters 41 (8-9), 899–914, 2019 | 2019 | Cited: 129
243. **Supermagnetic Fe₃O₄-PEG nanoparticles combined with NIR laser and alternating magnetic field as potent anti-cancer agent against human ovarian cancer cells**
Materials Research Express | 2019
244. **Supermagnetic Fe₃O₄-PEG nanoparticles combined with NIR laser and alternating magnetic field as anti-cancer agent against ovarian cancer cell line**
Materials Research Express 6 (11), 115412, 2019 | 2019 | Cited: 82
245. **Isolation and Identification of *Penicillium italicum* from Iraqi Citrus Lemon Fruits and its Ability Manufacture of Silver Nanoparticles and their Antibacterial and Antifungal ...**
Research Journal of Pharmacy and Technology 12 (3), 1320-1326, 2019 | 2019 | Cited: 16
246. **Isolation and identification of *penicillium italicum* from Iraqi citrus lemon fruits and its ability manufacture of silver nanoparticles and their antibacterial and antifungal activity**
Research Journal of Pharmacy and Technology | 2019
247. **Graphene nanoparticles induces apoptosis in MCF-7 cells through mitochondrial damage and NF-KB pathway**
Materials research express 6 (9), 095413, 2019 | 2019 | Cited: 84

248. **CYTOTOXIC, ANTIOXIDANT AND ANTIBACTERIAL ACTIVITIES OF CRUDE EXTRACT OF SYZYGIUM AROMATICUM PLANT**
Plant Archives 19 (1), 350-355, 2019 | 2019 | Cited: 11
249. **Fabrication of hesperidin nanoparticles loaded by poly lactic co-Glycolic acid for improved therapeutic efficiency and cytotoxicity**
Artificial cells, nanomedicine, and biotechnology 47 (1), 378-394, 2019 | 2019 | Cited: 146
250. **The ameliorative effects of chrysin against methandienone- induced change in blood parameters in mice**
Indian Journal of Public Health Research and Development | 2019 | Cited: 1
251. **Production, Purification and Characterization of Laccase from Pleurotus ostreatus**
Journal of Global Pharma Technology 11 (7), 30-37, 2019 | 2019
252. **Biogenic synthesis of copper oxide nanoparticles using olea europaea leaf extract and evaluation of their toxicity activities: An in vivo and in vitro study**
Biotechnology progress 34 (1), 218-230, 2018 | 2018 | Cited: 169
253. **Nano - Structured Hesperidin: Evaluation the Antioxidant Activities In Vitro**
Journal of Global Pharma Technology 10 (10), 428-433, 2018 | 2018
254. **Iraqi propolis increases degradation of IL-1 β and NLR4 by autophagy following Pseudomonas aeruginosa infection**
Microbes and infection 20 (2), 89-100, 2018 | 2018 | Cited: 79
255. **Preparation of silver iodide nanoparticles using laser ablation in liquid for antibacterial applications**
IET nanobiotechnology 12 (6), 781-786, 2018 | 2018 | Cited: 89
256. **Pathological and immunological study on infection with Escherichia coli in ale BALB/c mice**
Journal of Physics Conference Series 1003 (1), 10.1088/1742-6596/1003/1/012009, 2018 | 2018 | Cited: 99
257. **Biosynthesis, characterization of magnetic iron oxide nanoparticles and evaluations of the cytotoxicity and DNA damage of human breast carcinoma cell lines**
Artificial cells, nanomedicine, and biotechnology 46 (6), 1215-1229, 2018 | 2018 | Cited: 133
258. **Nanoscale modification of chrysin for improved of therapeutic efficiency and cytotoxicity**
Artificial cells, nanomedicine, and biotechnology 46 (sup1), 708-720, 2018 | 2018 | Cited: 137
259. **The effect of laser energy on the properties of carbon nanotube - Iron oxide nanoparticles composite prepared via pulsed laser ablation in liquid**
Materials Research Express | 2018 | Cited: 51
260. **Effects of methandienone on some hematological parameters, kidney and liver functions tests in male mice**
International Journal of Research in Pharmaceutical Sciences | 2018
261. **In Vitro study for hesperidin nanoparticles effect on phagocytic activity against Staphylococcus aureus**
Journal of Biotechnology Research Center 12 (2), 36-39, 2018 | 2018 | Cited: 2
262. **The Morphological Effects of Methandienone on Sperm Head in Male Mice**
Biosciences Biotechnology Research Asia 15 (3), 643-648, 2018 | 2018 | Cited: 1
263. **Roduction of Single Cell Protein from the Wastes of Cynodon dactylon L. Using Mixed Culture of Bacillus cereus and Fusarium solani.**
Jornal of Biotechnology Research Center 11 (2), 2017 | 2017 | Cited: 1
264. **Improving conditions for gliotoxin production by local isolates of Aspergillus fumigatus.**
Journal of biotechnology research center 11 (1), 14-24, 2017 | 2017 | Cited: 2
265. **Growth inhibition of mice mammary carcinoma cell line with green synthesized Magnetic Iron Oxide Nanoparticles**
Iraqi Journal of Cancer and Medical Genetics 10 (2), 234-238, 2017 | 2017 | Cited: 1
266. **Generation of NiO nanoparticles via pulsed laser ablation in deionised water and their antibacterial activity**
Applied Physics A 123, doi:10.1007/s00339-017-0826-4, 2017 | 2017 | Cited: 84

267. **Preparation of Iron Oxide Nanoparticles-Decorated Carbon Nanotube Using Laser Ablation in Liquid and Their Antimicrobial Activity**
Artif Cells Nanomed Biotechnol | 2017 | Cited: 79
268. **لأنتاج مستويات عالية من الكلايوتوكسين *Aspergillus fumigatus* تحسين الظروف من عزلات محلية من الفطر**
2017
269. **Biosynthesis of silver nanoparticles from Catharanthus roseus leaf extract and assessing their antioxidant, antimicrobial, and wound-healing activities**
Artificial Cells, Nanomedicine and Biotechnology | 2017 | Cited: 196
270. **Adsorption of Folic Acid on Iraqi Bentonite and Kaolin from Aqueous Solution**
Iraqi Journal of Medical Sciences 14 (1), 25-32, 2016 | 2016
271. **Synthesis of Biocompatible Polymer Blend for Drug Delivery in Biomedical Applications**
Engineering and Technology Journal 34 (6), 842-851, 2016 | 2016 | Cited: 5
272. **Molecular structure and anti-proliferative effect of galangin in HCT-116 cells: In vitro study**
Food science and biotechnology 25, 247-252, 2016 | 2016 | Cited: 43
273. **Synthesis, characterization and antibacterial activity of colloidal NiO nanoparticles**
PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES 29 (2), 541-546, 2016 | 2016 | Cited: 84
274. **Preparation of iron oxide nanoparticles by laser ablation in DMF under effect of external magnetic field**
International Journal of Modern Physics B 30 (17), 1650094, 2016 | 2016 | Cited: 19
275. **Synthesis and Antibacterial Activity of CuO Nanoparticles Suspension Induced by Laser Ablation in Liquid**
Arab J Sci Eng 41 (1), 301, 2016 | 2016 | Cited: 226
276. **In vitro study of molecular structure and cytotoxicity effect of luteolin in the human colon carcinoma cells**
European Food Research and Technology 241 (1), 83-90, 2015 | 2015 | Cited: 21
277. **Chemical characterization, antioxidant and cytotoxic activities of the methanolic extract of *Hymenocrater longiflorus* grown in Iraq**
Zeitschrift Für Naturforschung C 70 (9-10), 227-235, 2015 | 2015 | Cited: 22
278. **Biosynthesis of silver nanoparticles synthesized by *Aspergillus flavus* and their antioxidant, antimicrobial and cytotoxicity properties**
Bulletin of Materials Science 38, 639-644, 2015 | 2015 | Cited: 69
279. **Antibacterial activity of magnetic iron oxide nanoparticles synthesized by laser ablation in liquid**
Materials Science and Engineering: C 53, 286-297, 2015 | 2015 | Cited: 299
280. **Biological Effects of Stick Cherry, Soybean Seed and Licorice Root Extracts on Concentration of Serum Hormone Levels in Male Mice**
Al-Nahrain Journal of Science 17 (4), 18-26, 2014 | 2014 | Cited: 8
281. **Synthesis, characterization, antibacterial and cytotoxic effects of silver nanoparticles**
Digest Journal of Nanomaterials and Biostructures 9 (2), 787-796, 2014 | 2014 | Cited: 34
282. **Synthesis, Antibacterial Activity of Tio2 Nanoparticles Suspension Induced by Laser Ablation in Liquid**
Engineering and Technology Journal 32 (5), 877-884, 2014 | 2014
283. **In vitro studies of the cytotoxicity and cell cycle arrest of *Hymenocrater longiflorus* plant extract on colon cancer (RKO) cell line**
Current Research in Microbiology and Biotechnology 2, 367-372, 2014 | 2014 | Cited: 5
284. **Theoretical, antioxidant and cytotoxic activities of caffeic acid phenethyl ester and chrysin**
International journal of food sciences and nutrition 65 (1), 101-105, 2014 | 2014 | Cited: 38
285. **Green synthesis, antimicrobial and cytotoxic effects of silver nanoparticles using *Eucalyptus chapmaniana* leaves extract**
Asian Pacific journal of tropical biomedicine 3 (1), 58-63, 2013 | 2013 | Cited: 378
286. **Chemical composition, antimicrobial, antioxidant and cytotoxic activities of *Eucalyptus chapmaniana* grown in Iraq**
Am. J. Agri. Biological Sci 9 (1), 78-88, 2013 | 2013 | Cited: 7

287. **Synthesis, antimicrobial and antioxidant activities of 5-((2-oxo-2H- chromen-7-yloxy)methyl)-1,3,4-thiadiazol-2(3H)-one derived from umbelliferone**
Chemistry of Natural Compounds | 2013 | Cited: 24
288. **Biosynthesis, antimicrobial and cytotoxic effects of silver nanoparticles using Rosmarinus officinalis extract.**
Digest Journal of Nanomaterials & Biostructures (DJNB) 8 (1), 273-280, 2013 | 2013 | Cited: 55
289. **Phenolic content, antioxidant, antimicrobial and cytotoxic activities of ethanolic extract of Salix alba**
Am. J. Biochem. Biotechnol 9 (1), 41-46, 2013 | 2013 | Cited: 90
290. **Antimicrobial and cytotoxic activities of methanol extract of Alhagi maurorum**
Afr J Microbiol Res 7 (16), 1548-57, 2013 | 2013 | Cited: 61
291. **Antimicrobial activity of silver nanoparticles synthesized by Myrtus communis extract**
Eng Technol J 31, 400-9, 2013 | 2013 | Cited: 20
292. **Serum Total Sialic Acid and Enzymes Levels in Patients with Asthma, Abdominal Bacterial Infections and Bone Disorders**
Engineering and Technology Journal 31 (1), 93-106, 2013 | 2013
293. **The effect of cherry sticks extract on the levels of glycoproteins in alloxan-induced experimental diabetic mice**
Annals of Clinical & Laboratory Science 42 (1), 34-41, 2012 | 2012 | Cited: 19
294. **Role of caffeic acid phenethyl ester on mitomycin C induced clastogenesis: analysis of chromosome aberrations, micronucleus, mitotic index and adenosine deaminase activity in vivo**
Journal of applied genetics 53 (2), 213-219, 2012 | 2012 | Cited: 9
295. **Assessing the anti-tumour properties of Iraqi propolis in vitro and in vivo**
Food and chemical toxicology 50 (5), 1632-1641, 2012 | 2012 | Cited: 58
296. **Novel in Vivo Studies on the Effect of Ethanolic Stick Cherries Extract in Diabetes Management**
Journal of Applied Sciences Research 7 (4), 476-478, 2011 | 2011 | Cited: 6
297. **Chemical characterization of Iraqi propolis samples and assessing their antioxidant potentials**
Food and Chemical Toxicology 49 (9), 2415-2421, 2011 | 2011 | Cited: 134
298. **Biological study of the effect of licorice roots extract on serum lipid profile, liver enzymes and kidney function tests in albino mice**
African Journal of Biotechnology 10 (59), 12702, 2011 | 2011 | Cited: 49
299. **Effects of Active Materials in Alcoholic Extract of Iraqi Propolis on Growth of Some Cancer Lines in The Laboratory and Cancer of Mammary Gland in Mice**
Report and Opinion 2 (5), 76-85, 2010 | 2010 | Cited: 10
300. **Investigating the Anti-tumour Properties of Iraqi Propolis in vitro and in vivo**
Al Nahrain University, 2010 | 2010 | Cited: 1
301. **The action of Iraqi propolis on the specific activity of adenosine deaminase enzyme in albino mice**
Iraqi Journal of Biotechnology 7 (1), 110-116, 2008 | 2008
302. **The relationship between the levels of total sialic acid and complement proteins, C 3 and C 4, in the chemotherapy-untreated and—treated patients with acute lymphoblastic leukemia**
Baghdad Science Journal 4 (1), 2007 | 2007
303. **Some immunological evaluations of propolis in albino male mice**
Journal of the Faculty of Medicine 49 (1), 121-125, 2007 | 2007 | Cited: 11
304. **Immunological Study of Febrile Fever: Serum Sialic Acid, Immunoglobulin Levels (IgA, IgG and IgM), Complement Factors (C3 and C4) in Patients with Typhoid Fever and Brucellosis**
Iraqi Postgraduate Medical Journal 5 (3), 2006 | 2006 | Cited: 2
305. **Effect of Iraqi Propolis (Bees gum) Extract on Gram Negative and Positive Bacteria**
Al-Nahrain Journal of Science 9 (2), 39-45, 2006 | 2006
306. **comparison of free radicals scavenging activity, phenolics levels and antibacterial activities by iraq propolis from different sources**
Baghdad Science Journal 3 (2), 272-277, 2006 | 2006 | Cited: 1
307. **The Inhibitory Effect of Iraqi Propolis Extract Against Three isolates of Candida Albicans**
Al-Nahrain Journal of Science 8 (2), 2005 | 2005

308. **the relationship btwen serum sialic and humoral immune response in patients with sthma**
Baghdad Science Journal 2 (3), 2005 | 2005
309. **Fares Fenniche***, Yasmina Khane**, Djaber Aouf", Salim Albukhaty***, Fatima Zohra Nouasria",
Makhlouf Chouireb", Nesrine Harfouche", Abdellah Henni ", Ghassan M. Sulaiman ...**
0
310. **Investigation of structural properties and antibacterial activity of AgO nanoparticle**
0
311. **Applied Food Research**
0
312. **Green Synthesis of Silver Nanoparticles Using Annona muricata Extract as an Inducer of Apoptosis
in Cancer Cells and Inhibitor for NLRP3 Inflammasome via Enhanced Autophagy ...**
0